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Substitute for PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	10/815,778
		Filing Date	April 2, 2004
		First Named Inventor	VUNJAK-NOVAKOVIC, Gordana
		Art Unit	1657
		Examiner Name	SINGH, Satyendra
Sheet 1	of 15	Attorney Docket Number	103248.010501

**U. S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		4,627,853	12-09-1986	Campbell et al.	
		4,642,120	02-10-1987	Nevo et al.	
		4,681,763	07-21-1987	Nathanson et al.	
		4,757,017	07-12-1988	Cheung	
		4,776,853	10-11-1988	Klement et al.	
		4,932,973	06-12-1990	Gendler	
		5,041,138	08-20-1991	Vacanti et al.	
		5,053,049	10-01-1991	Campbell	
		5,067,964	11-26-1991	Richmond et al.	
		5,152,791	10-06-1992	Hakamatsuka et al.	
		5,195,892	03-23-1993	Gersberg	
		5,206,023	04-27-1993	Hunziker	
		5,236,456	12-14-1993	Hunziker	
		5,270,300	04-26-1994	Stone et al.	
		5,306,311	12-09-1986	Campbell et al.	

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Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T.
		Country Code <sup>3</sup> Number Kind Code <sup>5</sup> (if known)				
		EP 0762903 B1	06-02-1995	Stryker Corporation		
		EP 0762903 B2	08-22-2007	Stryker Corporation		
		EP 0968012 B1	09-06-2006	Stryker Corporation		
		EP 1181908 B1	12-17-2003	Verigen Transplantation Service		
		EP 1127581 B1	06-15-2005	Musculoskeletal Transplant Foundation		
		EP 1234552 B1	08-16-2006	Ethicon, Inc.		
		EP 1234555 B1	02-07-2007	Ethicon, Inc.		
		EP 1237511 B1	06-21-2001	Sulzer Orthopedics, Ltd.		

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		Art Unit	1657	
		Examiner Name	SINGH, Satyendra	
(Use as many sheets as necessary)				
Sheet	2	15	Attorney Docket Number	103248.010501

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		Number-Kind Code <sup>2</sup> (if known)			
		5,326,357	07-05-1994	Kandel	
		5,354,557	10-11-1994	Oppermann et al.	
		5,368,858	11-29-1994	Hunxiker	
		5,496,722	03-05-1996	Goodwin et al.	
		5,516,532	05-14-1996	Atala et al.	
		5,624,463	04-29-1997	Stone et al.	
		5,632,745	05-27-1997	Schwartz	
		5,700,774	12-23-1997	Hattersley et al.	
		5,707,962	01-13-1998	Chen et al.	
		5,723,331	03-03-1998	Tubo et al.	
		5,736,372	04-07-1998	Vacanti et al.	
		5,749,874	05-12-1998	Schwartz	
		5,759,190	06-02-1998	Vibe-Hansen et al.	
		5,769,899	06-23-1998	Schwartz et al.	
		5,770,417	06-23-1998	Vacanti et al.	
		5,782,915	07-21-1998	Stone	
		5,786,217	07-28-1998	Tubo et al.	

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		Country Code <sup>3</sup> . Number . Kind Code <sup>5</sup> (if known)				
		WO 84/04880 A1	12-20-1984	University Patent, Inc.		
		WO 95/33502 A1	12-14-1995	Creative Biomolecules, Inc.		
		WO 98/14222 A1	04-09-1998	Children's Medical Center Corporation		
		WO 98/41246 A2	09-24-1998	Creative Biomolecules, Inc.		
		WO 99/021497 A1	05-06-1999	Sulzer Management		
		WO 99/022747 A1	05-14-1999	The General Hospital Corporation		

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		Examiner Name	SINGH, Satyendra
Sheet 3	15	Attorney Docket Number	103248.010501

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		5,846,931	12-08-1998	Hattersley et al.	
		5,853,746	12-29-1998	Hunziker	
		5,866,415	02-02-1999	Villeneuve	
		5,904,716	05-18-1999	Gendler	
		5,906,827	05-25-1999	Khoury et al.	
		5,910,315	06-08-1999	Stevenson et al.	
		5,964,805	06-29-1999	Hu	
		5,916,265	02-02-1999	Villeneuve	
		5,989,269	11-23-1999	Vibe-Hansen et al.	
		6,013,853	01-11-2000	Athanasidou et al.	
		6,027,743	02-22-2000	Khoury et al.	
		6,090,998	07-18-2000	Grooms et al.	
		6,110,482	08-29-2000	Khoury et al.	
		6,143,293	11-07-2000	Weiss et al.	
		6,197,586	03-06-2001	Bhatnagar et al.	

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		WO 99/11298 A2	03-11-1999	Gensci Regeneration Laboratories		
		WO 99/48541 A1	09-30-1999	University of Pittsburgh		
		WO 99/52572 A1	10-21-1999	Children's Medical Center Corporation		
		WO 01/043667 A1	06-21-2001	Sulzer Orthopedics, Ltd.		
		WO 02/058484 A2	08-01-2002	Collagen II Nutrition, Inc.		

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		Filing Date	April 2, 2004	
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		Examiner Name	SINGH, Satyendra	
Sheet	4	15	Attorney Docket Number	103248.010501

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		6,235,316	05-22-2001	Adkisson	
		6,251,143	06-26-2001	Schwartz et al.	
		6,258,778	07-10-2001	Rodgers et al.	
		6,319,712	11-20-2001	Meenen et al.	
		6,352,558	03-05-2002	Spector	
		6,468,314	10-22-2002	Schwartz	
		6,489,165	12-03-2002	Bhatnagar	
		6,511,958	01-28,2003	Atkinson et al.	
		6,514,514	02-04-2003	Atkinson et al.	
		6,530,956	03-11-2003	Mansmann	
		6,569,172	05-27-2003	Asculai et al.	
		6,576,015	06-10-2003	Geistlich et al.	
		6,582,960	06-24, 2003	Martin et al.	
		6,592,599	07-15,2003	Vibe-Hansen et al.	
		6,599,300	07-29-2003	Vibe-Hansen et al.	

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		WO 2004/075940 A1	09-10-2004	Centerpulse Biologics Inc.		
		WO 2004/096983 A2	11-11-2004	Musculoskeletal Transplant Foundation		
		WO 2004/096983 A3	11-11/2004	Musculoskeletal Transplant Foundation		
		WO 2004/103224 A1	12-02-2004	Musculoskeletal Transplant Foundation		
		WO 2005/110278 A2	11-24-2005	Musculoskeletal Transplant Foundation		

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Substitute for form 1449A/PTO  <div style="text-align: center; font-weight: bold; font-size: 1.2em;">           INFORMATION DISCLOSURE STATEMENT BY APPLICANT         </div> <div style="text-align: center; font-size: 0.8em; margin-top: 10px;"> <i>(Use as many sheets as necessary)</i> </div>		<b>Complete if Known</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/815,778</td> </tr> <tr> <td>Filing Date</td> <td>April 2, 2004</td> </tr> <tr> <td>First Named Inventor</td> <td>VUNJAK-NOVAKOVIC, Gordana</td> </tr> <tr> <td>Art Unit</td> <td>1657</td> </tr> <tr> <td>Examiner Name</td> <td>SINGH, Satyendra</td> </tr> <tr> <td>Attorney Docket Number</td> <td>103248.010501</td> </tr> </table>		Application Number	10/815,778	Filing Date	April 2, 2004	First Named Inventor	VUNJAK-NOVAKOVIC, Gordana	Art Unit	1657	Examiner Name	SINGH, Satyendra	Attorney Docket Number	103248.010501
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		6,599,301	07-29-2003	Vibe-Hansen et al.	
		6,623,963	09-23-2003	Muller et al	
		6,652,593	11-25-2003	Boyer, II et al.	
		6,652,872	11-25-2003	Nevo et al.	
		6,662,805	12-16-2003	Fronzoza et al.	
		6,689,747	02-10-2004	Filvaroff et al.	
		6,727,224	04-27-2004	Zhang et al.	
		6,730,314	05-04-2004	Jeschke et al.	
		6,734,018	05-11-2004	Wolfenbarger, Jr. et al	
		6,752,834	06-22-2004	Geistlich et al.	
		6,761,739	07-13-2004	Shepard	
		6,815,416	11-09-2004	Carney et al.	
		6,838,440	01-04-2005	Stiles	
		6,841,150	01-11-2005	Halvorsen et al.	
		6,852,125	02-08-2005	Simon et al.	

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		WO 2005/110278 A3	11-24-2005	Musculoskeletal Transplant Foundation		
		WO 2006/042311 A2	04-20-2006	Musculoskeletal Transplant Foundation		
		WO 2006/042311 A3	04-20-2006	Musculoskeletal Transplant Foundation		
		WO 2007/024238 A1	03-01-2007	Musculoskeletal Transplant Foundation		
		EP 0522569 A1	01-13-1993	United States Surgical Corp.		
		EP 0762903 A1	12-14-1995	Creative Biomolecules, Inc.		

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		6,858,042	02-22-2005	Nadler et al.	
		6,866,668	03-15-2005	Giannetti et al.	
		6,911,212	06-28-2005	Gertzman et al.	
		6,932,977	08-23-2005	Heidaran et al.	
		6,949,252	09-27-2005	Mizuno et al.	
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		7,041,641	05-09-2006	Rueger et al.	
		7,045,141	05-16-2006	Merboth et al.	
		7,067,123	06-27-2006	Gomes et al.	
		7,070,942	07-04-2006	Heidaran et al.	
		7,078,232	07-18-2006	Konkle et al.	
		7,115,146	10-03-2006	Boyer, II et al.	
		7,137,989	11-21-2006	Asculai et al.	
		7,179,299	02-20-2007	Edwards et al.	

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		EP 0784985 A1	07-23-1997	Yamanouchi Pharmaceutical Co., Ltd.		
		EP 0968012 A1	09-24-1998	Creative Biomolecules, Inc.		
		EP 1127581 A1	08-29-2001	Musculoskeletal Transplant Foundation		
		EP 1181908 A1	02-27-2002	Verigen Transplantation Service		
		EP 1237511 A1	06-21-2001	Sulzer Orthopedics, Ltd.		
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/815,778
		Filing Date	April 2, 2004
		First Named Inventor	VUNJAK-NOVAKOVIC, Gordana
		Art Unit	1657
		Examiner Name	SINGH, Satyendra
(Use as many sheets as necessary)			
Sheet	7	15	Attorney Docket Number 103248.010501

**U. S. PATENT DOCUMENTS**

Examiner Initials <sup>4</sup>	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		EP 1234555 A2	08-28-2002	Ethicon, Inc.		
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		Filing Date	April 2, 2004	
		First Named Inventor	VUNJAK-NOVAKOVIC, Gordana	
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		Examiner Name	SINGH, Satyendra	
Sheet	8	15	Attorney Docket Number	103248.010501

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		First Named Inventor	VUNJAK-NOVAKOVIC, Gordana et al.
		Art Unit	1657
Examiner Name	Satyendra K. SINGH		
Sheet 11 of 15	Attorney Docket Number	103248-010501	

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue	T <sup>2</sup>
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Sheet	13	of	15	Attorney Docket Number	103248-010501

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Sheet 14 of 15	Attorney Docket Number	103248-010501	

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), <u>date, page(s), volume-issue</u>	T <sup>2</sup>
		U.S. Patent Application Serial No. 11/657,042 filed January 24, 2007 titled TWO PIECE CANCELLOUS CONSTRUCT FOR CARTILAGE REPAIR	
		U.S. Patent Application Serial No. 12/043,001 filed March 5, 2008 titled CANCELLOUS CONSTRUCT WITH SUPPORT RING FOR REPAIR OF OSTEOCHONDRAL DEFECTS	
		International Search Report issued in connection with International Patent Application No. PCT/US2004/010957 on November 1, 2004	
		Written Opinion issued on November 1, 2004 in connection with International Patent Application No. PCT/US2004/010957	
		International Preliminary Report on Patentability issued on November 18, 2005 in connection with International Patent Application No. PCT/US2004/010957	
		Written Opinion issued on April 7, 2006 in connection with International Patent Application No. PCT/US2005/030610	
		International Preliminary Report on Patentability issued on February 26, 2008 in connection with International Patent Application No. PCT/US2005/030610	
		International Search Report issued in connection with International Patent Application No. PCT/US2005/030610 on April 7, 2006	
		International Search Report issued in connection with International Patent Application No. PCT/US2005/036878 on September 21, 2006	
		Written Opinion issued on September 21, 2006 in connection with International Patent Application No. PCT/US2005/036878	

Examiner Signature	Date Considered
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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	10/815,778		
		Filing Date	April 2, 2004		
		First Named Inventor	VUNJAK-NOVAKOVIC, Gordana et al.		
		Art Unit	1657		
		Examiner Name	Satyendra K. SINGH		
Sheet	15	of	15	Attorney Docket Number	103248-010501

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Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue	T <sup>2</sup>
		International Preliminary Report on Patentability issued on April 17, 2007 2006 in connection with International Patent Application No. PCT/US2005/036878	
		International Search Report issued in connection with International Application No. PCT/US2005/008798 on June 19, 2006	
		International Search Report issued in connection with International Application PCT/US2004/010956 on October 28, 2005	
		International Patent Application No. PCT/US2008/051796 filed January 23, 2008 titled TWO PIECE CANCELLOUS CONSTRUCT FOR CARTILAGE REPAIR	
		Communication mailed on October 9, 2007 in connection with U.S. Patent Application No.: 10/438,883	

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